

**A SECTIONED CONDUCTOR AND RELATED METHODS
FOR ACCOMMODATING STRESS AND AVOIDING INTERNAL
DEFORMATIONS IN A POWER GENERATOR**

Abstract Of The Disclosure

A sectioned conductor adapted to accommodate stress forces with reduced internal deformation while forming a conductive path between the rotor coils and a radial stud extending into the rotor shaft of a power generator is 5 provided along with related methods. The sectioned conductor is formed of at least two distinct, spaced apart members that remain electrically connected as the second sectioned member moves relative to the first sectioned member in response to stress forces including those 10 arising from centrifugal force caused by the rotation of the rotor shaft within a stator coil, thermal expansion as caused by temperature increases in conductive components of the power generator, and from vibratory motions of the power generator.